

## Refine Search

### Search Results -

Terms	Documents
L2 and surface area	8

**Database:** US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**

### Search History

**DATE:** Thursday, November 03, 2005 [Printable Copy](#) [Create Case](#)

Set Name Query  
side by side

Hit Count Set Name  
result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L4</u>	L2 and surface area	8	<u>L4</u>
<u>L3</u>	L2 and poro47	0	<u>L3</u>
<u>L2</u>	L1 and (silver same calcium carbonate)	12	<u>L2</u>
<u>L1</u>	502/\$ and silver and potassium and lithium and sodium	896	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

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First Hit	Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS					

**Search Results - Record(s) 11 through 12 of 12 returned.**

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11. Document ID: US 5206195 A

**Using default format because multiple data bases are involved.**

L2: Entry 11 of 12

File: USPT

Apr 27, 1993

US-PAT-NO: 5206195

DOCUMENT-IDENTIFIER: US 5206195 A

TITLE: Stabilized synthetic zeolite and a process for the preparation thereof

DATE-ISSUED: April 27, 1993

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ando; Satoshi	Osaka			JP
Nakajima; Kazuhiko	Osaka			JP
Dohno; Akira	Osaka			JP

US-CL-CURRENT: 502/64; 423/701, 423/713, 502/60, 502/62

Full	Title	Citation	Front	Review	Classification	Date	Reference	<input type="checkbox"/> Description	<input type="checkbox"/> Drawings	<input type="checkbox"/> Claims	<input type="checkbox"/> KMC	<input type="checkbox"/> Drawn D
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12. Document ID: US 4764498 A

L2: Entry 12 of 12

File: USPT

Aug 16, 1988

US-PAT-NO: 4764498

DOCUMENT-IDENTIFIER: US 4764498 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Silica-containing shaped articles and a process for their preparation

Full	Title	Citation	Front	Review	Classification	Date	Reference	<input type="checkbox"/> Description	<input type="checkbox"/> Drawings	<input type="checkbox"/> Claims	<input type="checkbox"/> KMC	<input type="checkbox"/> Drawn D
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Clear	Generate Collection	Print	Fwd Refs
Bkwd Refs		Generate OACS	

Terms	Documents
L1 and (silver same calcium carbonate)	
12	

## Hit List

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[First Hit](#) [Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#)  
[Generate OACS](#)

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Search Results - Record(s) 1 through 10 of 12 returned.

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1. Document ID: US 20040110972 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 12

File: PGPB

Jun 10, 2004

PGPUB-DOCUMENT-NUMBER: 20040110972

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040110972 A1

TITLE: Process for making silver based epoxidation catalysts and process for preparing an olefin oxide

PUBLICATION-DATE: June 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rubinstein, Leonid Isaakovich	Houston	TX	US
Gutierrez, Candido	Houston	TX	US

US-CL-CURRENT: 549/534; 502/347

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn De](#)

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2. Document ID: US 20040049061 A1

L2: Entry 2 of 12

File: PGPB

Mar 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040049061

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040049061 A1

TITLE: Method for improving the selectivity of a catalyst and a process for the epoxidation of an olefin

PUBLICATION-DATE: March 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lockemeyer, John Robert	Sugar Land	TX	US
Yeates, Randall Clayton	Sugar Land	TX	US
Reinalda, Donald	CM Amstersam		NL

US-CL-CURRENT: 549/536; 502/317, 502/347, 502/348

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Drawn D.
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3. Document ID: US 20030027955 A1

L2: Entry 3 of 12

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027955

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030027955 A1

TITLE: Olefin polymerization catalyst, process for polymerizing olefins, ethylene polymer obtained by said process and use thereof

PUBLICATION-DATE: February 6, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ishii, Seiichi	Sodegaura-shi		JP
Mitani, Makoto	Sodegaura-shi		JP
Saito, Junji	Sodegaura-shi		JP
Matsuura, Sadahiko	Sodegaura-shi		JP
Matsukawa, Naoto	Sodegaura-shi		JP
Tsuru, Kazutaka	Kuga-gun		JP
Fujita, Terunori	Sodegaura-shi		JP

US-CL-CURRENT: 526/127; 502/100, 526/161, 526/172, 526/90

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Drawn D.
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4. Document ID: US 6635793 B2

L2: Entry 4 of 12

File: USPT

Oct 21, 2003

US-PAT-NO: 6635793

DOCUMENT-IDENTIFIER: US 6635793 B2

TITLE: Preparation of epoxides from alkanes using lanthanide-promoted silver catalysts

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Drawn D.
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5. Document ID: US 6509485 B2

L2: Entry 5 of 12

File: USPT

Jan 21, 2003

US-PAT-NO: 6509485

DOCUMENT-IDENTIFIER: US 6509485 B2

**TITLE: Preparation of epoxides from alkanes using lanthanide-promoted silver catalysts**

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)

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6. Document ID: US 6392066 B1

L2: Entry 6 of 12

File: USPT

May 21, 2002

US-PAT-NO: 6392066

DOCUMENT-IDENTIFIER: US 6392066 B1

**TITLE: Epoxidation of olefins using lanthanide-promoted silver catalysts**

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)

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7. Document ID: US 5814715 A

L2: Entry 7 of 12

File: USPT

Sep 29, 1998

US-PAT-NO: 5814715

DOCUMENT-IDENTIFIER: US 5814715 A

**TITLE: Amorphous olefin polymers, copolymers, methods of preparation and derivatives thereof**

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)

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8. Document ID: US 5703254 A

L2: Entry 8 of 12

File: USPT

Dec 30, 1997

US-PAT-NO: 5703254

DOCUMENT-IDENTIFIER: US 5703254 A

**TITLE: Propylene oxide process using mixed precious metal catalyst supported on alkaline earth metal carbonate**

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)

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9. Document ID: US 5686380 A

L2: Entry 9 of 12

File: USPT

Nov 11, 1997

US-PAT-NO: 5686380

DOCUMENT-IDENTIFIER: US 5686380 A

**TITLE: Vapor phase oxidation of propylene to propylene oxide**

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMPC	Drawn D
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10. Document ID: US 5625084 A

L2: Entry 10 of 12

File: USPT

Apr 29, 1997

US-PAT-NO: 5625084

DOCUMENT-IDENTIFIER: US 5625084 A

\*\* See image for Certificate of Correction \*\*

TITLE: Vapor phase oxidation of propylene to propylene oxide

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMPC	Drawn D
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## Refine Search

### Search Results -

Terms	Documents
L10 and surface area	3

**Database:**  
US Pre-Grant Publication Full-Text Database  
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Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:** L11     **Refine Search**

### Search History

DATE: Thursday, November 03, 2005 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<u>L11</u>	L10 and surface area	3	<u>L11</u>
<u>L10</u>	L9 and alumina	19	<u>L10</u>
<u>L9</u>	L7 and concentration	20	<u>L9</u>
<u>L8</u>	L7 and porosity	0	<u>L8</u>
<u>L7</u>	L2 and (silver same calcium carbonate)	21	<u>L7</u>
<u>L6</u>	L3 and calcium carbonate	0	<u>L6</u>
<u>L5</u>	L3 and (silver and calcium carbonate)	0	<u>L5</u>
<u>L4</u>	L3 and (silver same calcium carbonate)	0	<u>L4</u>
<u>L3</u>	L2 and catalyst composition.ti.	42	<u>L3</u>
<u>L2</u>	L1 and catalyst composition	546	<u>L2</u>
<u>L1</u>	silver and potassium and lithium and sodium	19907	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

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First Hit	Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS					

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Search Results - Record(s) 1 through 10 of 19 returned.

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1. Document ID: US 6635793 B2

Using default format because multiple data bases are involved.

L10: Entry 1 of 19

File: USPT

Oct 21, 2003

US-PAT-NO: 6635793

DOCUMENT-IDENTIFIER: US 6635793 B2

TITLE: Preparation of epoxides from alkanes using lanthanide-promoted silver catalysts

DATE-ISSUED: October 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mul; Guido	Nootdorp			NL
Asaro; Marianna F.	Belmont	CA		
Hirschon; Albert S.	Menlo Park	CA		
Wilson, Jr.; Robert B.	Palo Alto	CA		

US-CL-CURRENT: 585/654; 585/659, 585/660, 585/661, 585/662, 585/663

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Chemical	Claims	KWIC	Drawn D.
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2. Document ID: US 6509485 B2

L10: Entry 2 of 19

File: USPT

Jan 21, 2003

US-PAT-NO: 6509485

DOCUMENT-IDENTIFIER: US 6509485 B2

TITLE: Preparation of epoxides from alkanes using lanthanide-promoted silver catalysts

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Chemical	Claims	KWIC	Drawn D.
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3. Document ID: US 6392066 B1

L10: Entry 3 of 19

File: USPT

May 21, 2002

US-PAT-NO: 6392066

DOCUMENT-IDENTIFIER: US 6392066 B1

TITLE: Epoxidation of olefins using lanthanide-promoted silver catalysts

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)

4. Document ID: US 4658080 A

L10: Entry 4 of 19

File: USPT

Apr 14, 1987

US-PAT-NO: 4658080

DOCUMENT-IDENTIFIER: US 4658080 A

TITLE: Acetylene removal process

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)

5. Document ID: US 4644088 A

L10: Entry 5 of 19

File: USPT

Feb 17, 1987

US-PAT-NO: 4644088

DOCUMENT-IDENTIFIER: US 4644088 A

TITLE: Acetylene removal process

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)

6. Document ID: US 4513159 A

L10: Entry 6 of 19

File: USPT

Apr 23, 1985

US-PAT-NO: 4513159

DOCUMENT-IDENTIFIER: US 4513159 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Acetylene removal process

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)

7. Document ID: US 4150063 A

L10: Entry 7 of 19

File: USPT

Apr 17, 1979

US-PAT-NO: 4150063

DOCUMENT-IDENTIFIER: US 4150063 A

TITLE: Purification of unsaturated compounds

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)

8. Document ID: US 4009126 A

L10: Entry 8 of 19

File: USPT

Feb 22, 1977

US-PAT-NO: 4009126

DOCUMENT-IDENTIFIER: US 4009126 A

\*\* See image for Certificate of Correction \*\*

TITLE: Catalyst for removing acetylenic impurities

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#) 9. Document ID: US 3508867 A

L10: Entry 9 of 19

File: USOC

Apr 28, 1970

US-PAT-NO: 3508867

DOCUMENT-IDENTIFIER: US 3508867 A

TITLE: CRYSTALLINE ALUMINOSILICATES

DATE-ISSUED: April 28, 1970

INVENTOR-NAME: WEISZ PAUL B; FRILETTE VINCENT J

US-CL-CURRENT: 423/700, 423/DIG.21, 423/DIG.24, 423/DIG.32, 423/DIG.37, 502/60,  
502/74[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#) 10. Document ID: US 3489810 A

L10: Entry 10 of 19

File: USOC

Jan 13, 1970

US-PAT-NO: 3489810

DOCUMENT-IDENTIFIER: US 3489810 A

TITLE: CARBONYLATION INVOLVING NOVEL CATALYTIC MATERIALS

DATE-ISSUED: January 13, 1970

INVENTOR-NAME: GARWOOD WILLIAM E; HAMILTON LYLE A

US-CL-CURRENT: 568/451, 568/444, 568/445[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Terms	Documents
L9 and alumina	19

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